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HOWTO: I have no **floppy drive**, how do I boot from **USB** Memory
Makebootfat will require some of the same tools used with the HP utility, and to make a
USB Memory Device dos bootable and **emulate a USB Floppy Drive** (a ...
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Coding Horror: The **Floppy Drive** Must Die
So I have to find other means to **emulate** a floppy drive, be it with **USB drive** or whatever.
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Floppy Drive. This can be very handy! Technorati Tags: **floppy drive**, ...
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The Fact Behind Bootability & **USB** Memory Devices
So, if a BIOS supports booting from a **USB floppy drive**, it will look for a real **USB floppy
drive** or another device that can **emulate** the behavior of a **USB** ...
www.codi-inc.com/shop/thefactsbehindbootability.htm - 13k - Cached - Similar pages

PACE **USB Floppy** Enabler
PACE's **USB Floppy** Enabler is a system extension that **emulates** the Sony diskette **drive**
interface, making supported third-party external **USB floppy** drives ...
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Here is a video demonstrating the HxC **Floppy Drive** Emulator (**USB** Version) in ... by Jean
Francois Del Nero, that **emulates** the behaviour of a **floppy drive**. ...
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[Archive] **Emulate floppy drive** with **USB** Flash **drive** PressF1.
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Copy and run **Floppy** Boot Disks from **USB**
The **USB** stick remains bootable just like the **floppy** disk would be. ... Virtual **Floppy drive**
is used to **emulate a floppy drive** making it possible to create ...
www.ghacks.net/2006/09/06/copy-and-run-**floppy**-boot-disks-from-**usb**/ - 24k -
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USB emulating Floppy for F6 Driver Install - Boot Land
That being said, I don't know of a good way for a **USB** flash **drive** to **emulate a floppy** well
enough to work with the Windows install. ...
www.boot-land.net/forums/index.php?showtopic=3431&view=getlastpost - 95k - 23 hours
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Introduction to booting from a Flash memory **drive**
RM's Dual-Boot OnlyDisk is bootable as a **USB-FDD** (**emulating** a TEAC 1.44 Mb **USB**

floppy drive), or a **USB**-HDD device. The RM Triple-Boot OnlyDisk supports ...
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Boot-up and hard drive protection using a USB-compliant token ...
The method of claim 2, wherein the **password** is an **ATA-3 password**.
..... In one embodiment, the I/O port 130 is a **USB**-compliant port
implementing a ...
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Mechanism to improve authentication for remote management of a ...
... attachment 3 (**ATA-3**) **password** enabled hard disk drives lose power during .....
universal serial bus (**USB**) token plug-in 357 and remote boot plug-in 358. ...
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[PDF] USB Analog Terminal Adapter 3.0
File Format: PDF/Adobe Acrobat - View as HTML
USB-ATA3.0. User Guide Version 1.0.4. Oct. 2006. 15. User must keep the **password** in a
safe place and do not disclose to any. unauthorized person. ...
www.buildwin.com.cn/datasheet/**USB-ATA3**.0%20User%20Guide%20Version%201.0.4%
20_EN_.pdf - Similar pages

ATA-3: Definition and additional resources from ZDNet
ATA-3: Enhancements to the ATA-2 specification that added improvements to the ... on the
new SATA,IDE,ATA,SCSI,**USB** hardware and Microsoft OS systems. ...
dictionary.zdnet.com/definition/**ATA-3**.html - 51k - Cached - Similar pages

Forensic Focus › Forums › General Discussion › Hardware › Forensic ...
Forensic Recovery and **ATA-3** 'Secure Mode', possible? .... are not going to work with any
of the old methods I.E parallel port,**usb** port,or the key disk. ...
www.forensicfocus.com/index.php?name=Forums&file=viewtopic&t=15&start=30 - 73k -
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Keyboard and disk and security Resources on TechRepublic
My daughter's dell comp has a **password** to open windows. her keyboard will not work, and
the ports for it seem to be not working either. Her **usb** port works ...
search.techrepublic.com.com/search/Keyboard+and+disk+and+security.html - 45k -
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Tags: **password** protection, disk drive, **USB** flash drive, floppy disk, **password** ... of modern
IDE/EIDE/Serial ATA hard disks, first introduced in **ATA-3**, 1995. ...
search.techrepublic.com.com/search/disk+drive+and+security.html - 50k -
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Is BitLocker Misdirected? - Tales from the Crypto
IMHO the one possible solution for now is using **USB** sticks with passphrase/PIN to boot

PC/laptop **...** Why does no-one ever mention **ATA-3** hard disk **passwords?** **...**
msmvps.com/blogs/alunj/archive/2006/09/26/Is-BitLocker-Misdirected_3F00_.aspx - 43k -
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Kernel 2.6.22 - refuse to boot ext3 fs - Ubuntu Forums
[35.502217] **ata3**.01: Host Protected Area detected. **....** command-line) and entries
protected by the # command 'lock' # e.g. **password** topsecret # **password ...**
ubuntuforums.org/showthread.php?t=498158 - Similar pages

HP Compaq dx7300 Business Desktop PC - comparison results Products ...
Hard disk drive, 80 to 250 GB Serial **ATA 3** GB/s SMART III hard drive **...** Power-On
Password, Setup **Password**, Drive Lock; Serial, Parallel, **USB** Enable/Disable **...**
h10010.www1.hp.com/wwpc/hk/en/sm/WF04a/1090261-1139371-1139371-1139371-
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The "AND" operator is unnecessary -- we include all search terms by default. [details]

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Ultra-Portables Forum - UPGRADING THE HARD DRIVE
Only difference is that it's ATA5 instead of **ATA3**. ... Put MK6006GAH back in **USB** tray and
reinstall MK3006GAL, boots just fine, XP sees and manipulates both ...
www.leog.net/fujp_forum/topic.asp?TOPIC_ID=9072&whichpage=3 - 97k -
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Pcmcia Card reader - Ubuntu Forums
[7435.280000] **ata3**: PATA max PIO0 cmd 0x0001d100 ctl 0x0001d10e bmdma
0x00000000 irq 3 ... [8600.888000] **usb** 2-1: **USB** disconnect, address 2 ...
ubuntuforums.org/showthread.php?p=3711012 - Similar pages

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3** standard, 1995. Today all desktop and notebook hard disk drives ...
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7C&s=product.date_... - 74k - Cached - Similar pages

FedoraForum.org - SATA hard drive not found
There's also a FAT32 drive on an external **USB** enclosure that works fine. .... Nov 6
07:50:16 localhost kernel: **ata3**: limiting SATA link speed to 1.5 Gbps ...
forums.fedoraforum.org/showthread.php?t=170854 - 65k - Cached - Similar pages

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There's also a FAT32 drive on an external **USB** enclosure that works fine.
... /var/log/messages : shows that the **ata3** drive is visible at boot from the ...
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revisit panic on shutdown -r now
... self powered pci0: <serial bus, **USB**> at device 29.7 (no driver attached) ... 2.0 on pci2
ata2: channel #0 on atapci0 **ata3**: channel #1 on atapci0 rl0: ...
lists.freebsd.org/pipermail/freebsd-current/2004-November/042126.html - 20k -
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SATA Issues - LinuxQuestions.org
[52238.533975] **ata3**: SATA link up 1.5 Gbps (SStatus 113 SControl 310) ... 00:1d.0 **USB**
Controller: Intel Corporation 82801DB/DBL/DBM (ICH4/ICH4-L/ICH4-M) **USB** ...
www.linuxquestions.org/questions/linux-kernel-70/sata-issues-568894/ - 72k -
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your ... IBM - 3GB 4200 RPM IDE/**ATA-3** 2.5 INCH THINKPAD 600 HARD DISK DRIVE. ...
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ATA-4: Definition and additional resources from ZDNet
ATA-4: Enhancements to the **ATA-3** specification that increased transfer rates to 33 ... on
the new SATA,IDE,ATA,SCSI,**USB** hardware and Microsoft OS systems. ...

dictionary.zdnet.com/definition/ATA-4.html - 49k - <u>Cached</u> - <u>Similar pages</u>

Popular Ideas - Dell IdeaStorm
Lenovo Thinkpads (and BIOSes from other vendors) allow setting of the "User" and "Master" passwords for your internal hard drive (part of the ATA-3 security ...
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1   **Evaluating a trial deployment of password re-use for phishing prevention**   ▬
Dinei Florencio, Cormac Herley
October 2007 **Proceedings of the anti-phishing working groups 2nd annual eCrime researchers summit eCrime '07**
Publisher: ACM
Full text available: 📄 pdf(225.80 KB)   Additional Information: full citation, abstract, references, index terms

> We propose a scheme that exploits scale to prevent phishing. We show that while stopping phishers from obtaining passwords is very hard, detecting the fact that a password has been entered at an unfamiliar site is simple. Our solution involves a client that reports Password Re-Use (PRU) events at unfamiliar sites, and a server that accumulates these reports and detects an attack. We show that it is simple to then mitigate the damage by communicating the identities of phished accounts to the i ...

> **Keywords**: access control, authentication, passwords, phishing

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2   **Usability and authentication: Delayed password disclosure**   ▬
Markus Jakobsson, Steven Myers
November 2007 **Proceedings of the 2007 ACM workshop on Digital identity management DIM '07**
· **Publisher:** ACM
Full text available: 📄 pdf(270.28 KB)   Additional Information: full citation, abstract, references, index terms

> We present a new authentication protocol called Delayed Password Disclosure. Based on the traditional user name and password paradigm, the protocol's goal is aimed at reducing the effectiveness of phishing/spoofing attacks that are becoming increasingly problematic for Internet users. This is done by providing the user with dynamic feedback while password entry occurs. While this is a process that would normally be frowned upon by the cryptographic community, we argue that it may result in mo ...

> **Keywords**: authentication, decisional & static diffie-hellman assumption, oblivious transfer, password authenticated key exchange, phishing, user interfaces

---

3   **Usability and authentication: Password policy simulation and analysis**   ▬
Richard Shay, Abhilasha Bhargav-Spantzel, Elisa Bertino
November 2007 **Proceedings of the 2007 ACM workshop on Digital identity**

management DIM '07
Publisher: ACM
Full text available: pdf(392.24 KB)   Additional Information: full citation, abstract, references, index terms

Passwords are an ubiquitous and critical component of many security systems. As the information and access guarded by passwords become more necessary, we become ever more dependent upon the security passwords provide. The creation and management of passwords is crucial, and for this we must develop and deploy password policies. This paper focuses on defining and modeling password policies for the entire password policy lifecycle. The paper first discusses a language for specifying password po ...

Keywords: management, modeling, password, policy, simulation

4   Group key and identity management: Denial-of-service resilience password-based group key agreement for wireless networks
Joseph Chee Ming Teo, Chik How Tan
October 2007 **Proceedings of the 3rd ACM workshop on QoS and security for wireless and mobile networks Q2SWinet '07**
Publisher: ACM
Full text available: pdf(491.51 KB)   Additional Information: full citation, abstract, references, index terms

Wireless networks are very convenient as they allow mobile users to be connected whenever and wherever they desire. Group key agreement (GKA) protocols are used in these networks to allow secure group communications among the wireless nodes. Password-based authentication for GKA protocols provide better solutions than digital signature authentication as password-based solutions do not require Public Key Infrastructure and are less computationally intensive. However, GKA protocols, including p ...

Keywords: denial-of-service, group key agreement, password-based authentication, secure group communication

5   Passwords and phishing: A large-scale study of web password habits
Dinei Florencio, Cormac Herley
May 2007 **Proceedings of the 16th international conference on World Wide Web WWW '07**
Publisher: ACM Press
Full text available: pdf(253.83 KB)   Additional Information: full citation, abstract, references, index terms

We report the results of a large scale study of password use andpassword re-use habits. The study involved half a million users over athree month period. A client component on users' machines recorded a variety of password strength, usage and frequency metrics. This allows us to measure or estimate such quantities as the average number of passwords and average number of accounts each user has, how many passwords she types per day, how often passwords are shared among sites, and how often they ...

Keywords: authentication, measurements, password

6   Posters: Helping users create better passwords: is this the right approach?
Alain Forget, Sonia Chiasson, Robert Biddle
July 2007 **Proceedings of the 3rd symposium on Usable privacy and security SOUPS '07**
Publisher: ACM Press
Full text available: pdf(36.41 KB)   Additional Information: full citation, abstract, references

Users tend to form their own mental models of good passwords regardless of any instructions provided. They also tend to favour memorability over security. In our study comparing two mnemonic phrase-based password schemes, we found a surprising number of participants misused both schemes. Intentional or not, they misused the system such that their task of password creation and memorization became easier. Thus, we believe that instead of better instructions or password schemes, a new approach i ...

7 <u>Passwords: Modeling user choice in the PassPoints graphical password scheme</u>
Ahmet Emir Dirik, Nasir Memon, Jean-Camille Birget
July 2007 **Proceedings of the 3rd symposium on Usable privacy and security SOUPS '07**
Publisher: ACM Press
Full text available: <u>pdf(445.65 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

We develop a model to identify the most likely regions for users to click in order to create graphical passwords in the *PassPoints* system. A PassPoints password is a sequence of points, chosen by a user in an image that is displayed on the screen. Our model predicts probabilities of likely click points; this enables us to predict the entropy of a click point in a graphical password for a given image. The model allows us to evaluate automatically whether a given image is well suited for ...

Keywords: dictionary attack, graphical passwords, password entropy, user behavior

8 <u>Passwords: Reducing shoulder-surfing by using gaze-based password entry</u>
Manu Kumar, Tal Garfinkel, Dan Boneh, Terry Winograd
July 2007 **Proceedings of the 3rd symposium on Usable privacy and security SOUPS '07**
Publisher: ACM Press
Full text available: <u>pdf(241.05 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Shoulder-surfing -- using direct observation techniques, such as looking over someone's shoulder, to get passwords, PINs and other sensitive personal information -- is a problem that has been difficult to overcome. When a user enters information using a keyboard, mouse, touch screen or any traditional input device, a malicious observer may be able to acquire the user's password credentials. We present EyePassword, a system that mitigates the issues of shoulder surfing via a novel approach to ...

Keywords: eye tracking, gaze-based password entry, password entry, shoulder surfing

9 <u>Passwords: A second look at the usability of click-based graphical passwords</u>
Sonia Chiasson, Robert Biddle, P. C. van Oorschot
July 2007 **Proceedings of the 3rd symposium on Usable privacy and security SOUPS '07**
Publisher: ACM Press
Full text available: <u>pdf(264.07 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Click-based graphical passwords, which involve clicking a set of user-selected points, have been proposed as a usable alternative to text passwords. We conducted two user studies: an initial lab study to revisit these usability claims, explore for the first time the impact on usability of a wide-range of images, and gather information about the points selected by users; and a large-scale field study to examine how click-based graphical passwords work in practice. No such prior field studies h ...

Keywords: authentication, graphical passwords, usable security, user study

10 Computer security: Passwords decay, words endure: secure and re-usable multiple password mnemonics

Umut Topkara, Mikhail J. Atallah, Mercan Topkara

March 2007 **Proceedings of the 2007 ACM symposium on Applied computing SAC '07**

Publisher: ACM Press

Full text available: .pdf(287.65 KB)   Additional Information: full citation, abstract, references, index terms

Research on password authentication systems has repeatedly shown that people choose weak passwords because of the difficulty of remembering random passwords. Moreover, users with multiple passwords for unrelated activities tend to choose almost similar passwords for all of them. Many password schemes have been proposed to alleviate this problem, but they either require modification to the password entry and processing infrastructure (e.g., graphical passwords) or they require the user to have ...

Keywords: authentication, mnemonic sentence, natural language processing, passwords, usability

11 Posters: Increasing security and usability of computer systems with graphical passwords

Cheryl Hinds, Chinedu Ekwueme

March 2007 **Proceedings of the 45th annual southeast regional conference ACM-SE 45**

Publisher: ACM Press

Full text available: .pdf(50.18 KB)   Additional Information: full citation, abstract, references, index terms

To gain access to computer systems, users are required to be authenticated. This is usually accomplished by having the user enter an alphanumeric username and password. Users are usually required to remember multiple passwords for different systems and this poses such problems as usability, memorabilty and secuurity. Passwords are usually difficult to remember and users have developed their own methods some of which are not secure of selecting passwords which are easy to remember.

In t ...

Keywords: graphical passwords, usability

12 Practice: Encouraging good passwords

Chlotia Posey Garrison

September 2006 **Proceedings of the 3rd annual conference on Information security curriculum development InfoSecCD '06**

Publisher: ACM Press

Full text available: .pdf(52.36 KB)   Additional Information: full citation, abstract, references, index terms

This paper describes an assignment to non-computer science majors aimed at improving students' password selection and management practices. The study analyzes student passwords based on an anonymous questionnaire. Results indicate the majority of students either had changed or plan to change their passwords following the assignment to meet good password guidelines. The analysis revealed three guidelines that were not being followed that need additional emphasis when presenting good password g ...

Keywords: access control, active learning, computer fluency, computer literacy, computer security, passwords, security training, students, user awareness

13 Pedagogy: Ethical hacking and password cracking: a pattern for individualized security exercises
Robin Snyder
September 2006 **Proceedings of the 3rd annual conference on Information security curriculum development InfoSecCD '06**
Publisher: ACM Press

Full text available: ⬛.pdf(53.53 KB)   Additional Information: full citation, abstract, references, cited by, index terms

A design pattern provides a type of template or meta-template for solving design problems. This paper provides and discusses a pattern for creating individualized learning exercises. The domain of application is security education. The specific examples presented, that have been realized in practice in an educational setting, are password cracking/recovery and SHA-1 file hash. Additional learning exercises based on this pattern will be added in the future. Some implementation details and a di ...

Keywords: password cracking, patterns for security exercises

14 Security protocols: Provably secure password-based authentication in TLS
Michel Abdalla, Emmanuel Bresson, Olivier Chevassut, Bodo Möller, David Pointcheval
March 2006 **Proceedings of the 2006 ACM Symposium on Information, computer and communications security ASIACCS '06**
Publisher: ACM Press
Full text available: ⬛.pdf(378.65 KB)   Additional Information: full citation, abstract, references, index terms

In this paper, we show how to design an efficient, provably secure password-based authenticated key exchange mechanism specifically for the TLS (Transport Layer Security) protocol. The goal is to provide a technique that allows users to employ (short) passwords to securely identify themselves to servers. As our main contribution, we describe a new password-based technique for user authentication in TLS, called *Simple Open Key Exchange* (SOKE). Loosely speaking, the SOKE ciphersuites are un ...

Keywords: TLS, encrypted key exchange, password authentication

15 Evaluating interaction: research papers: Design and evaluation of a shoulder-surfing resistant graphical password scheme
Susan Wiedenbeck, Jim Waters, Leonardo Sobrado, Jean-Camille Birget
May 2006 **Proceedings of the working conference on Advanced visual interfaces AVI '06**
Publisher: ACM Press
Full text available: ⬛.pdf(523.36 KB)   Additional Information: full citation, abstract, references, index terms

· When users input their passwords in a public place, they may be at risk of attackers stealing their password. An attacker can capture a password by direct observation or by recording the individual's authentication session. This is referred to as shoulder-surfing and is a known risk, of special concern when authenticating in public places. Until recently, the only defense against shoulder-surfing has been vigilance on the part of the user. This paper reports on the design and evaluation of a gam ...

Keywords: authentication, convex hull click scheme, graphical passwords, password security, shoulder-surfing, usable security

16 Password-capabilities: their evolution from the password-capability system into walnut and beyond
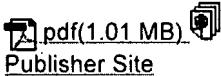
Ronald Pose
January 2001 **Australian Computer Science Communications , Proceedings of the 6th Australasian conference on Computer systems architecture ACSAC '01,**
Volume 23 Issue 4
Publisher: IEEE Computer Society, IEEE Computer Society Press
Full text available: pdf(1.01 MB). Additional Information: full citation, abstract, references
Publisher Site

Since we first devised and defined password-capabilities as a new technique for building capability-based operating systems, a number of research systems around the world have used them as the bases for a variety of operating systems. Our original Password-Capability System was implemented on custom built hardware with a novel address translation and protection scheme specifically designed to support password-capabilities. The password-capability concept later formed the basis of Opal developed ...

17 Security: Pictures at the ATM: exploring the usability of multiple graphical passwords

Wendy Moncur, Grégory Leplâtre
April 2007 **Proceedings of the SIGCHI conference on Human factors in computing systems CHI '07**
Publisher: ACM Press
Full text available: pdf(1.64 MB)   Additional Information: full citation, abstract, references, index terms

Users gain access to cash, confidential information and services at Automated Teller Machines (ATMs) via an authentication process involving a Personal Identification Number (PIN). These users frequently have many different PINs, and fail to remember them without recourse to insecure behaviours. This is not a failing of users. It is a usability failing in the ATM authentication mechanism. This paper describes research executed to evaluate whether users find multiple graphical passwords more m ...

Keywords: ATMs, authentication mechanisms, graphical passwords, usable security, user authentication

18 Security procedures effects on network communication: Password policy: the good, the bad, and the ugly

Wayne C. Summers, Edward Bosworth
January 2004 **Proceedings of the winter international synposium on Information and communication technologies WISICT '04**
Publisher: Trinity College Dublin
Full text available: pdf(73.64 KB)   Additional Information: full citation, abstract, references, citings

"We're secure! We use passwords!" How many of us have heard this claim? Or even -- "We're secure! We have a password policy!" Using a password or having a password policy in today's world of computing is not enough. Passwords provide a first line of defense in most cases, but there is much more. "A recent survey by Rainbow Technologies Inc. indicates that the use of insecure passwords can be costly -- and potentially risky -- for corporate data. "[Rosencrance] This paper focuses on the use of pa ...

19 The domino effect of password reuse

Blake Ives, Kenneth R. Walsh, Helmut Schneider
April 2004 **Communications of the ACM**, Volume 47 Issue 4
Publisher: ACM Press
Full text available: pdf(100.88 KB)   Additional Information: full citation, abstract, references, citings, index
html(23.20 KB)   terms

One weak spot is all it takes to open secured digital doors and online accounts causing

untold damage and consequences.

20 <u>Weaknesses of Lee-Li-Hwang's hash-based password authentication scheme</u>
Wei-Chi Ku, Chien-Ming Chen, Hui-Lung Lee
October 2003 **ACM SIGOPS Operating Systems Review**, Volume 37 Issue 4
Publisher: ACM Press
Full text available: .pdf(359.76 KB)   Additional Information: <u>full citation, abstract, references, citings</u>

Many password authentication schemes employ hash functions as their basic building blocks to achieve better efficiency. In 2000, Peyravian and Zunic proposed a hash-based password authentication scheme that is efficient and can be easily implemented. Recently, Lee, Li, and Hwang demonstrated that Peyravian-Zunic's hash-based password authentication scheme is vulnerable to the off-line guessing attack, and then proposed an improved version. In this article, we show that their improved scheme is s ...

Keywords: denial-of-service attack, guessing attack, hash function, password authentication, stolen-verifier attack

Results 1 - 20 of 200   Result page: **1** <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>   <u>next</u>